



ecology and environment, inc.

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International Specialists in the Environmental Sciences

EPA Region 5 Records Ctr.



334326

DATE: April 29, 1983
TO: File/USEPA Region V
FROM: Paul D. Shea
SUBJECT: Preliminary Assessment

Illinois/TDD#R05-8212-01A-149
Blue Island/Martin Blue Island Terminal
ILD096464466

Review

Attached is EPA's Preliminary Assessment Form 2070-12 for the above referenced site.

Primary information was gathered from the following source(s):

1. USEPA Erris Files - Region V, Chicago, IL.
- 2.
- 3.

Information indicates the following responsible parties should be listed. They are listed here because of space limitations:

1. None
- 2.
- 3.

Presently, data gaps or no verification exists in the following key area(s):

1. Waste quantity, waste containment
2. Groundwater/surface water/soil contamination
3. Damage to biota

A review of the available data indicates that additional information will be necessary to assess the impact(s) on:

1. Waste quantity
2. Groundwater
3. Surface water
- 4.
- 5.

Suggested methods/sources for obtaining additional information are:

1. Off site inspection
2. An on site inspection, if done, should be a low priority due to limited waste quantity and low hazard
- 3.

Notice of an apparent need for emergency action was transmitted to N/A on N/A by N/A.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL D096464466

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) MARTIN BLUE ISLAND TERM.		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 13100 S. KEDZIE AVE.			
03 CITY BLUE ISLAND	04 STATE IL	05 ZIP CODE 60406	06 COUNTY COOK	07 COUNTY CODE 031	08 CONG DIST 03
09 COORDINATES LATITUDE 41°39'22.5"		LONGITUDE 087°42'11.25"		TOPO MAP: BLUE ISLAND QUAD	
10 DIRECTIONS TO SITE (Starting from nearest public road) I-294 TO BURR OAK AVE. GO EAST ON BURR OAK TO KEDZIE AVE AND TURN RIGHT (SOUTH) TO 131ST.					

III. RESPONSIBLE PARTIES

01 OWNER (If known) MARTIN OIL SERVICE, INC.		02 STREET (Business, mailing, residential) P.O. Box 298			
03 CITY BLUE ISLAND	04 STATE IL	05 ZIP CODE 60406	06 TELEPHONE NUMBER 312-385-6500		
07 OPERATOR (If known and different from owner) MR. J.K. GREER II GEN. MGR.		08 STREET (Business, mailing, residential) 13100 S. KEDZIE AVE.			
09 CITY BLUE ISLAND	10 STATE IL	11 ZIP CODE 60406	12 TELEPHONE NUMBER 312-385-6500		
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: (Specify) <input type="checkbox"/> G. UNKNOWN					
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input type="checkbox"/> A. RCRA 3001 DATE RECEIVED: NONE MONTH DAY YEAR <input checked="" type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: 7.2.81 MONTH DAY YEAR <input type="checkbox"/> C. NONE					

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input type="checkbox"/> YES DATE / / MONTH DAY YEAR <input checked="" type="checkbox"/> NO KNOWN		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: (Specify) CONTRACTOR NAME(S):			
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION 1955 1980 BEGINNING YEAR ENDING YEAR <input type="checkbox"/> UNKNOWN			

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

HEAVY METALS (TOXIC, PERSISTENT)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

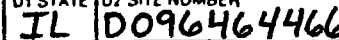
LEACH INTO GROUNDWATER (ENVIRONMENT + POPULATION)
RUNOFF TO SURFACE WATER (ENVIRONMENT + POPULATION)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, combine Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
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VI. INFORMATION AVAILABLE FROM

01 CONTACT MR. KEN BECHELY (LAND) MR. FRANK YUMPING (WATER)		02 OF (Agency/Organization) ILLINOIS EPA, MAYWOOD		03 TELEPHONE NUMBER 312-345-9780	
04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER ()	08 DATE / / MONTH DAY YEAR	



☐ I. HIGHLY VOLATILE
☐ J. EXPLOSIVE
☐ K. REACTIVE
☐ L. INCOMPATIBLE
☐ M. NOT APPLICABLE

EPA FORM 2070-12 (7-81)



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

IL D096464466

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 710,000

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

POTENTIAL LEACHING OF CONTAMINANTS INTO GROUNDWATER
FROM BURIED DRUMS.

01 ☒ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 710,000

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

SURFACE WATER CONTAMINATION POSSIBLE FROM RUNOFF
OF CONTAMINATED SOIL OR LEACHING VIA GROUNDWATER.
- LITTLE CALUMET

01 ☐ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☒ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: 51
(Acres)

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

DRUMS BURIED IN SOIL - POTENTIAL LEAKAGE + SPILLAGE
OF CONTAMINANTS INTO SOIL

01 ☒ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: UNK

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

DRINKING WATER WELLS (# UNKNOWN) POTENTIALLY
CONTAMINATED FROM WASTE LEACHING INTO GROUNDWATER

01 ☒ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: ~ 50

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

POTENTIAL EXPOSURE/INJURY TO PERSONNEL WORKING
ON SITE.

01 ☒ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: 710,000

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

EXPOSURE AND/OR INJURY TO POPULATION TO HEAVY
METALS ASSUMED IF CONTAMINANTS REACH GROUNDWATER
OR SURFACE WATER
DUE



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

IL 0096464466

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

ASSUMED IF CONTAMINANTS RUNOFF OR LEACH INTO
AREAS WHERE FLORA AND FAUNA ARE PRESENT.

01 ☒ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

REFER TO ITEM "J"

01 ☒ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

CONTAMINATED WASTE IS TOXIC, PERSISTENT -
GOOD POTENTIAL FOR BIOACCUMULATION.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 710,000

04 NARRATIVE DESCRIPTION

DRUMS BURIED BELOW GROUND SO THERE EXISTS A
LEAKAGE AND SPILL POTENTIAL.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

NORLING FACTOR → 15

III. TOTAL POPULATION POTENTIALLY AFFECTED: >10,000

IV. COMMENTS

• DRUMS BELOW GROUND

V. SOURCES OF INFORMATION (Cite specific references, e.g., State files, sample analysis, reports)

USEPA ERRIS FILES - REGION IV, CHICAGO